

## PATENT COOPERATION TREATY

## PCT

INTERNATIONAL SEARCH REPORT  
(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 702864PCT	<b>FOR FURTHER ACTION</b> see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/CA2004/001425	International filing date ( <i>day/month/year</i> ) 30 July 2004 (30-07-2004)	(Earliest) Priority date ( <i>day/month/year</i> ) 01 August 2003 (01-08-2003)
Applicant INTIER AUTOMOTIVE CLOSURES INC. ET AL		
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.		
This international search report consists of a total of <u>4</u> sheets.  <input checked="" type="checkbox"/> It is also accompanied by a copy of each prior art document cited in this report.		
1. Basis of the report  a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. <input type="checkbox"/> the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).  b. <input type="checkbox"/> With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.		
2. <input type="checkbox"/> Certain claims were found unsearchable (See Box II).		
3. <input checked="" type="checkbox"/> Unity of invention is lacking (See Box III).		
4. With regard to the title.  <input checked="" type="checkbox"/> the text is approved as submitted by the applicant. <input type="checkbox"/> the text has been established by this Authority to read as follows :		
5. With regard to the abstract.  <input checked="" type="checkbox"/> the text is approved as submitted by the applicant. <input type="checkbox"/> the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.		
6. With regard to the drawings.  a. The figure of the drawings to be published with the abstract is Figure No. 3 <input type="checkbox"/> as suggested by the applicant. <input type="checkbox"/> As selected by this authority, because the applicant failed to suggest a figure. <input checked="" type="checkbox"/> As selected by this Authority, because this figure better characterizes the invention.  b. <input type="checkbox"/> None of the figures is to be published with the abstract.		

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2004/001425**Box No. II** Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons :

1. ☐ Claims Nos. :  
because they relate to subject matter not required to be searched by this Authority; namely:
  
2. ☐ Claims Nos. :  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically :
  
3. ☐ Claims Nos. :  
because they are dependant claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box III** Observation where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows :

Group A: Claims 1, 2, 5 and 6 are directed to an electrical connector comprising housings. Further description of the housings and of the way they cooperate with each other is defined.

Group B: Claims 3 and 4 are directed to an electrical connector comprising first and second members. Further description of the first and second members is defined.

The common subject matter of Group A and Group B is well known and the remaining subject matter of each group differ from the other without there being any unifying novel inventive concept, involving one or more of the same or corresponding special technical features, common to both Groups.

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos. :
  
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos. : 1, 2, 5 and 6

**Remark on Protest** ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/CA2004/001425

## A. CLASSIFICATION OF SUBJECT MATTER

IPC<sup>7</sup> H01R 24/00, B60R 16/02

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC<sup>7</sup> H01R, H01R 24/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used)  
Delphion, Qweb, USPTO, TechSource

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5921793 (The Whitaker Corporation) July 13, 1999, Entire document, Figure 6	1, 2, 5 and 6
Y	Figure 1	1, 2, 5 and 6
X	EP 0447660 B1 (PVT Präzisions-Verbindungstechnik und Steuerungsbau GmbH) May 31, 1995, Entire document, Figure 6	1, 2, 5 and 6
Y	Figure 1 and 2	1, 2, 5 and 6
X	US 4682848 (Lockheed Corporation, Burbank, California) July 28, 1987, Entire document, Figure 3	1, 2, 5 and 6
Y	Figure 1 and 2	1, 2, 5 and 6
A	US 4133594 (HI-G, Incorporated, Windsor Locks, Connecticut) January 9, 1979, Figure 2	
A	US 6149448 (ITT Manufacturing Enterprises, Inc., Wilmington, Delaware) November 21, 2000, Figure 9	
A	WO 01/69728 (POCRASS, Alan, L., 41 Golden Glen Drive, Simi Valley, CA 93065, United States of America) September 20, 2001, Figure 14b	

[ ] Further documents are listed in the continuation of Box C.

[x] Patent family members are listed in annex.

\* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T"

later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X"

document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y"

document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;"

document member of the same patent family

Date of the actual completion of the international-type search  
30 December 2004 (30-12-2004)Date of mailing of the international-type search report  
07 January 2005 (07-01-2005)Name and mailing address of the ISA/  
Commissioner of Patents  
Canadian Patent Office - PCT  
Ottawa/Gatineau K1A 0C9  
Facsimile No. 1-819-953-9358Authorized officer  
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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.  
PCT/CA2004/001425

Patent Document Cited in Search Report	Publication Date	Patent Family Member(s)	Publication Date
US5921793	13-07-1999	US5921793 A WO9745899 A1	13-07-1999 04-12-1997
EP0447660	25-09-1991	AT123359T T DE9003258U U1 DE59009186D D1 EP0447660 A1	15-06-1995 23-05-1990 06-07-1995 25-09-1991
US4682848	28-07-1987	EP0198071 A1 JP62500546T T NO861740 A US4682848 A WO8602173 A1	22-10-1986 05-03-1987 02-07-1986 28-07-1987 10-04-1986
US4133594	09-01-1979	US4133594 A	09-01-1979
US6149448	21-11-2000	DE19632905 A1 DE59701530D D1 EP0919074 A1 JP2000517093T T US6149448 A WO9808277 A1	19-02-1998 31-05-2000 02-06-1999 19-12-2000 21-11-2000 26-02-1998
WO0169728	20-09-2001	AU4357501 A CA2402475 A1 CN1418390T T EP1332536 A1 JP2003526893T T TW497303 B US6290538 B1 US6786757 B2 WO0169728 A1	24-09-2001 20-09-2001 14-05-2003 06-08-2003 09-09-2003 01-08-2002 18-09-2001 07-09-2004 20-09-2001